

ABSTRACT

A system and method of coordinating team members, each team member having a mission processor, in real time for continued coordinated operation in the absence of reliable communications between team members. Prior to a mission, each team member is provided with common programs and data for a mission, the data including identity of programs and data supplied to other team members and providing to each team member a pseudo random seed for use in conjunction with random functions. Each team member is provided with an initial set of conditions, whereby each team member performs deterministically to generate a same plan for itself and each of the other team members. Each team member monitors for a transmission event and responds to a transmission event by generating a re-planning operation, whereby each team member will produce a coordinated replan for itself and each other team member, whereby the team members remain coordinated. The monitoring can be detecting the presence or absence of a scheduled transmission from a team member, or receiving a transmission from a broadcast source, or receiving a transmission directed to team members from a headquarters, or receiving a commercial satellite broadcast, or maintaining a receiver for receiving a burst transmission from another team member or receiving a transmission indicative of a condition as reported by a team member.